

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7510	((428/292.1,131,137) or (156/60,73.6,310,327)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/21 16:36
L2	42	L1 and (resin or adhesive).clm. and (fiber or fibre or fibrous).clm. and harden\$5.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/21 16:43
L3	844	L1 and (resin or adhesive).clm. and (fiber or fibre or fibrous or fabric).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/21 16:43
L4	235	L3 and (harden\$5 or \$3cure or \$3curing).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/21 16:46
L5	193	l4 not l2	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/21 16:46
S1	66	thermoset\$4 and (harden\$4 or crosslink\$4 or cross adj1 link\$4) and (fibrous or nonwoven\$2 or woven\$2) near3 reinforce\$6 near7 (perforat\$5 or hole\$2 or gap\$2 or void\$2 or discontinu\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 10:59
S2	10989	(428/43,98,113,131,137,138 or 156/60,73.1,73.6,87,90).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 06:06
S3	4687546	(aperture or perforat\$5 or hole or gap or opening or space or void)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 11:05
S4	878938	resin or thermoset\$6 or phenolic	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 11:06
S5	3107	S2 and S3 and S4	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/02 11:07
S6	212	S5 and prepreg	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 13:52
S7	2	("3666615").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/03 08:02
S8	1	("3935355").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/03 08:02
S9	211	(thermoset\$5 with harden\$5) and (((fibrous or fiber\$2) with (layer\$2 or sheet\$2)) same (perforat\$4 or apertur\$4 or hole\$2))	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 08:27

## EAST Search History

S10	1883	(adhesive\$2 or thermoset\$) same (fiber\$3 or fibrous) with (sheet or layer) same (\$6guanidine or \$6imidazole or urea or amine or \$6anhydride or \$6hydrazine)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 06:09
S11	337	S10 and (perforat\$6 or apertur\$3 or slit )	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 12:00
S12	287	S11 and (laminat\$5 or composit\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 11:58
S13	257	S10 and (perforat\$6 or apertur\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 06:43
S14	219	S13 and (laminat\$5 or composit\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 13:01
S15	181	S13 and (laminat\$5 or composite\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 11:49
S16	11726	(lay or laid) adj1 up	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 11:51
S17	83	S10 and S16	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 11:53
S18	17	S11 and S16	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 11:53
S19	16	S12 and S16	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 11:54
S20	987	(adhesive\$2 or thermoset\$) same (fiber\$3 or fibrous) with (sheet or layer) same (\$6guanidine or \$6imidazole or amine or \$6anhydride or \$6hydrazine)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 11:57
S21	925	S20 and (laminat\$5 or composit\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 11:58
S22	132	S21 and (perforat\$6 or apertur\$3 or slit )	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 13:00

## EAST Search History

S23	41	("3072512"   "3332416"   "3373741"   "3415243"   "3468311"   "3481821"   "3523056"   "3597300"   "3607530"   "3666615"   "3674021"   "3756389").PN. OR ("3935355").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 12:24
S24	9	("3666615").URPN.	USPAT	OR	ON	2006/11/03 12:58
S25	19265	(hardener or hardening or curing) adj2 (agent or layer) same resin	USPAT	OR	ON	2006/11/03 12:59
S26	677	(hardener or hardening or curing) adj2 (agent or layer) same resin same uncured	USPAT	OR	ON	2006/11/03 13:00
S27	567	S26 and (glass or carbon or aramid)	USPAT	OR	ON	2006/11/06 06:10
S28	77	S27 and (perforat\$6 or apertur\$3 )	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/03 13:02
S29	72	S28 and (laminat\$5 or composit\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 06:08
S30	6355	(428/131,137,138 or 156/60,90). ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 06:24
S31	3392	S30 and (laminat\$5 or composit\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 07:46
S32	1033	(adhesive\$2 or thermoset\$ or resin) same (fiber\$3 or fibrous) and S31	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 06:24
S33	31	S32 and hardener	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 06:10
S34	407	S32 and (glass or carbon or aramid)	USPAT	OR	ON	2006/11/06 06:10
S35	21	(adhesive\$2 or thermoset\$ or resin) same ((fiber\$3 or fibrous) near5 (glass or carbon or aramid)) and hardener and S31	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 06:43
S36	5214	(428/131,137,138).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 06:24
S37	14	((fiber\$3 or fibrous) near5 (glass or carbon or aramid)) and hardener and S36	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 06:25
S38	2482	S36 and (perforat\$6 or apertur\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 07:49

## EAST Search History

S39	10	(thermoset\$ or resin) same (fiber\$3 or fibrous) and hardener and S38	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 07:44
S40	10990	(428/43,98,113,131,137,138 or 156/60,73.1,73.6,87,90).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 07:27
S41	4687543	(aperture or perforat\$5 or hole or gap or opening or space or void)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 07:27
S42	878938	resin or thermoset\$6 or phenolic	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 07:27
S43	3107	S40 and S41 and S42	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 07:27
S44	212	S43 and prepreg	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 07:27
S45	17	S44 and hardener	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 07:28
S46	13	(fiber\$3 or fibrous) same (sheet or layer or reinforce\$6) and hardener and S38	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 07:46
S47	5824	S40 and (laminat\$5 or composit\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 07:46
S48	46	(fiber\$3 or fibrous) same (sheet or layer or reinforce\$6) and hardener and S47	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 07:49
S49	2528	S47 and (perforat\$6 or apertur\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 07:49
S50	19	(fiber\$3 or fibrous) and hardener and S49	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 08:15
S51	5	S40 and perforated same (sheet or layer or substrate or core) same (fiber or fibrous) and hardener not honeycomb\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 08:18
S52	2	S40 and perforated same (composite or laminate) same (fiber or fibrous) and hardener not honeycomb\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 08:18
S53	3	S40 and perforated same (fiber or fibrous) and hardener and (composite or laminate) not honeycomb\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 17:54

## EAST Search History

S54	3	S40 and perforated and (fiber or fibrous) same (composite or laminate) and hardener not honeycomb\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 08:25
S55	3	S40 and perforated and (fiber or fibrous) and (composite or laminate) and hardener not honeycomb\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 08:26
S56	2	S40 and perforated and (fiber\$3 or fibrous) and (composite or laminate) and hardener not honeycomb\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 08:26
S57	3534	428/131	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 13:52
S58	2398	428/131.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 13:59
S59	15	S58 and (glass or aramid\$3) and hardener	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 14:53
S60	0	Ep-297036-\$.did.	EPO	OR	ON	2006/11/06 14:53
S61	0	ep-297036-\$.did.	EPO	OR	ON	2006/11/06 14:54
S62	1	ep-297036-\$.did.	DERWENT	OR	ON	2006/11/06 14:56
S63	2	("3787546").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/06 15:11
S64	1	("4229473").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/06 17:54
S65	3911	264/241,257.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 17:54
S66	4	S65 and perforated same (fiber or fibrous) and hardener and (composite or laminate) not honeycomb\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 18:05
S67	5	S65 and perforated and (fiber or fibrous) and hardener and (composite or laminate) not honeycomb\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 18:07
S68	7	S65 and perforated and (fiber or fibrous) and hardener and (composite or laminate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 18:13
S69	9	S65 and perfora\$5 and (fiber or fibrous) and hardener and (composite or laminate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 18:25

## EAST Search History

S70	9	S65 and perfora\$5 and (fiber\$4 or fibrous) and hardener and (composite or laminate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 18:27
S71	5	S65 and perfora\$5 and (fiber\$4 or fibrous) and hardener and (prepreg or prepeg)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 18:29
S72	39	perfora\$5 and (fiber\$4 or fibrous) and hardener and (prepreg or prepeg)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/06 18:30
S73	3163	(428/420 or 156/310,314,330).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 12:24
S74	2227651	S73 and perforat\$6 or aperture\$4 or hole	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 12:25
S75	464	S73 and (perforat\$6 or aperture\$4 or hole)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 13:25
S76	198	S73 and (perforat\$6 or aperture\$4 or hole) and ((curing near2 agent) or hardene\$6)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/09 13:26